

U.S.S.N. 09/481,990 Sheet 2 of 11 Docket No. 1201-DIV-00 DLA Piper Rudnick Gray Cary US LLP (215) 656-3381

gggcaggaagacggcgctgcccggaggagc -153 -77 -1 ATG CTG CAG TCC CTG GCC GGC AGC TCG TGC GTG CGC CTG GTG GAG CGG CAC CGC TCG 57 L A G S C R S 19 S S ٧ L Ē R GCC TGG TGC TTC GGC TTC CTG GTG CTG GGC TAC TTG CTC TAC CTG GTC TTC GGC GCA 114 38 F G A GTG GTC TTC TCC TCG GTG GAG CTG CCC TAT GAG GAC CTG CTG CGC CAG GAG CTG CGC 171 57 S E Y D L R 228 AAG CTG AAG CGA CGC TTC TTG GAG GAG CAC GAG TGC CTG TCT GAG CAG CAG CTG GAG F Ε H E C L 76 L K R CAG TTC CTG GGC CGG GTG CTG GAG GCC AGC AAC TAC GGC GTG TCG GTG CTC AGC AAC 285 G A S Y G S ٧ N 95 F GCC TCG GGC AAC TGG AAC TGG GAC TTC ACC TCC GCG CTC TTC TTC GCC AGC ACC GTG 342 114 S G T S A L F CTC TCC ACC ACA GGT TAT GGC CAC ACC GTG CCC TTG TCA GAT GGA GGT AAG GCC TTC 399 S T T G Y G H T V P S D G G K 133 TGC ATC ATC TAC TCC GTC ATT GGC ATT CCC TTC ACC CTC CTG TTC CTG ACG GCT GTG 456 152 I Y S V Ι G Ι P F T L L F L V GTC CAG CGC ATC ACC GTG CAC GTC ACC CGC AGG CCG GTC CTC TAC TTC CAC ATC CGC 513 171 V 0 T R R P ٧ Y TGG GGC TTC TCC AAG CAG GTG GTG GCC ATC GTC CAT GCC GTG CTC CTT GGG TTT GTC 570 V H 190 V I A V L V A ACT GTG TCC TGC TTC TTC TTC ATC CCG GCC GCT GTC TTC TCA GTC CTG GAG GAT GAC 627 209 FFFIPAAVFS

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TGG AAC TTC CTG GAA TCC TTT TAT TTT TGT TTT ATT TCC CTG AGC ACC ATT GGC CTG W N F L E S F Y F C F I S L S T I G L	68 22
GGG GAT TAT GTG CCT GGG GAA GGC TAC AAT CAA AAA TTC AGA GAG CTC TAT AAG ATT G D Y V P G E G Y N Q K F R E L Y K I	74 24
GGG ATC ACG TGT TAC CTG CTA CTT GGC CTT ATT GCC ATG TTG GTA GTT CTG GAA ACC G I T C Y L L L G L I A M L V V L E T	79 26
TTC TGT GAA CTC CAT GAG CTG AAA AAA TTC AGA AAA ATG TTC TAT GTG AAG AAG GAC F C E L H E L K K F R K M F Y V K K D	85 28
AAG GAC GAG GAT CAG GTG CAC ATC ATA GAG CAT GAC CAA CTG TCC TTC TCC TCG ATC K D E D Q V H I I E H D Q L S F S S I	91 3(
ACA GAC CAG GCA GCT GGC ATG AAA GAG GAC CAG AAG CAA AAT GAG CCT TTT GTG GCC T D Q A A G M K E D Q K Q N E P F V A	96 32
ACC CAG TCA TCT GCC TGC GTG GAT GGC CCT GCA AAC CAT TGA gcgtaggatttgttgcatt T Q S S A C V D G P A N H *	10:
atgctagagcaccagggtcagggtgcaaggaagaggcttaagtatgttcatttttatcagaatgcaaaagcgaaaa ttatgtcactttaagaaatagctactgtttgcaatgtcttattaaaaaacaacaaaaaagacacatggaacaaag aagctgtgaccccagcaggatgtctaatatgtgaggaaatgagatgtccacctaaaattcatatgtgacaaaatta	110 110 125
tctcgaccttacataggaggagaatacttgaagcagtatgctgctgtgggttagaagcagattttatacttttaact ggaaactttggggtttgcatttagatcatttagctgatggctaaatagcaaaatttatatttagaagcaaaaaaa aaagcatagagatgtgttttataaataggtttatgtgtactggtttgcatgtacccaccc	130 141 148
gagaatctaagtcaaactcactatttataatgcataggtaaccattaactatgtacatataaagtataaatatgtt tatattctgtacatatggtttaggtcaccagatcctagtgtagttctgaaactaagactatagatattttgtttct tttqatttctctttatactaaagaatccagagttgctacaataaaataaggggaataataaaaaaaa	156 163 171

FIG.1B cont.